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2 October 1957

PLEASE ADDRESS ALL REPLIES
TO THE COMPANY IN DUPLICATE
REFER TO SERIAL NUMBER:

7926

50X1

Attention:

Via:

Attention:

Subject: Progress Report Number 17 Date 1 August to 31 August 1957

Contract Number: RD 77 Task Order "A"

References:Enclosure A: Financial Data

Engineering work continued on this project without interruption during the month of August. Progress was made in several phases of the development which will be briefly reviewed in this report.

The solution to the hoisting problem has been tentatively concluded. The method finally adapted is similar to the hoisting of large bombs or torpedos in this aircraft. Dual cable hoists (#5122277) will be employed. Each hoist will project through the bomb bay door and will be supported by support bracket #4128221 in a manner initially conceived for lifting large bombs. A beam, similar to beam assembly #5125787 will be utilized to support properly positioned pulleys. A hoisting cable will be anchored to each corner of the dispenser. Upon completion of the lifting operation and the engagement of the suspension tie bolts, the cable will be released from the anchoring points and rewound onto the hoist drum. An essential consideration of the rewinding operation will be a cable threading technique to re-establish the cable in position to lower the dispenser. The threading of the hoist cable around the beam pulleys when the bomb bay is fully occupied obviously requires a secondary thread line to manually pull the hoist cable through to the anchoring point. The thread line is not intended to support load at any time.

Working drawings for the following components are now completed. These drawings are now released for manufacture: Feed Assembly; Power and Control Boxes; Paper Cells or Clips with Keeper Bars; Working drawings for Cluster Assemblies.

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Tieing the paper cells into packages of five by means of the welded hat sections is now well along. These drawings are scheduled for release the early part of September.

Engineering design work now underway or yet to be completed consists of:

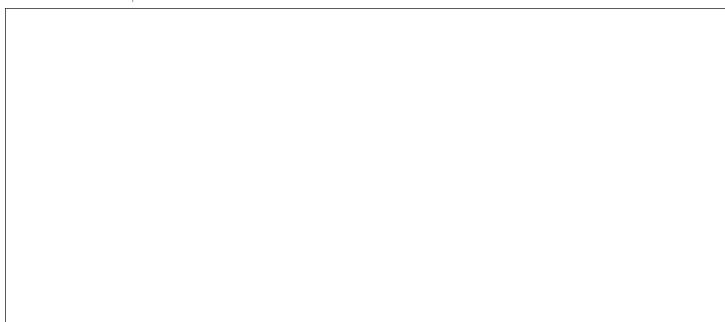
1. Detail design and fabrication drawings of the sway braces, caster supports, hoisting beam, tie plates, and suspension tie rods.
2. Electrical wiring diagrams and drawings.

It is anticipated that approximately 4 man-months of engineering will complete the design phase of this task. Percentagewise, the engineering design phase is estimated to be seventy percent (70%) complete.

The fabrication activity will now gain momentum during the next few weeks. It is anticipated that approximately 10 man-months of work will complete the dispenser unit. At out present rate of shop employment, the No. 1 dispenser should be completed by the first of next year.

We trust that the above meets with your approval and invite comment thereon.

Sincerely,



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